EIIS Incident Report
Part A: General Information

Incident ID

I026322-001

County: San Diego
Incident Date: ######### through
Year:
State: CA
Total Number: 1
Case #: P-2767
Country: USA
Total Magnitude:
Weather:

Incident Type

Aqua. Animal
✔ Terr. Animal
Field Study
Aqua. Plant
Terr. Plant

Created: ########
Updated: 6/4/2014

Abstract:

On December 31, 2013, a mountain lion that had died after being hit by a car was collected by the Southern California Puma Project (Puma Project) in San Diego County. The mountain lion had been collared by the Puma Project the previous spring and was identified as M 107. The mountain lion was submitted for full necropsy and pathology to the California Animal Health and Food Safety Laboratory (CAHFS) in San Bernardino.

The necropsy was performed at CAHFS, San Bernardino on February 14, 2014. The lion was found to be a 51 kg male in good nutritional condition. Injuries on the head and leg were consistent with being hit by a car. Laboratory tests were negative for rabies but positive for leptospirosis. Liver tissue was submitted for anticoagulant rodenticide analysis with the following result: 0.084 ppm brodifacoum, 0.79 ppm bromadiolone, and trace diphacinone. These findings indicate nontarget exposure of this mountain lion to anticoagulant rodenticides.

Reports

Package #	Incident #	Source	Report Date
026322	001	Department of Fish and Wildlife WIL	4/1/7201

EIIS Incident Report
Part B: Pesticide Information

I026322-001

County: San Diego **State:** CA **Date:** #########

Pesticide: **Brodifacoum (112701)** **Type:** R

Use Site:

Product: **Appl. Method:** **Appl. Rate:**

Formulation: **Air/Ground:** **Legality:** Undetermined

Certainty: Exposure Only

The mountain lion was struck and killed by a vehicle. Liver tissue was submitted for anticoagulant rodenticide analysis with the following result: 0.084 ppm brodifacoum, 0.79 ppm bromadiolone, and trace diphacinone. These findings indicate nontarget exposure of this mountain lion to anticoagulant rodenticides.

Pesticide: **Bromadiolone (112001)** **Type:** R

Use Site:

Product: **Appl. Method:** **Appl. Rate:**

Formulation: **Air/Ground:** **Legality:** Undetermined

Certainty: Exposure Only

The mountain lion was struck and killed by a vehicle. Liver tissue was submitted for anticoagulant rodenticide analysis with the following result: 0.084 ppm brodifacoum, 0.79 ppm bromadiolone, and trace diphacinone. These findings indicate nontarget exposure of this mountain lion to anticoagulant rodenticides.

Pesticide: **Diphacinone (067701)** **Type:** R

Use Site:

Product: **Appl. Method:** **Appl. Rate:**

Formulation: **Air/Ground:** **Legality:** Undetermined

Certainty: Exposure Only

The mountain lion was struck and killed by a vehicle. Liver tissue was submitted for anticoagulant rodenticide analysis with the following result: 0.084 ppm brodifacoum, 0.79 ppm bromadiolone, and trace diphacinone. These findings indicate nontarget exposure of this mountain lion to anticoagulant rodenticides.

EIIS Incident Report
Part C: Species Information

I026322-001

County: San Diego **State:** CA **Date:** ########

1

Species: **Mountain lion**
Sci. Name: Felis concolor
Taxon: Mammal
Age:

Response: Mortality
Magnitude: 1
Habitat: Urban area
Distance: N/R
Rt. of Exposure: N/R

Necropsy

Number:
Condition:

Cholinesterase

Number:
Activity: um/g/min
Percent of Normal

Tissue Residues

Sample Type	PC Code	Pesticide	N	Conc. (ppm)
Liver	067701	Diphacinone	1	trace
Liver	112701	Brodifacoum	1	0.084
Liver	112001	Bromadiolone	1	0.79

EIIS Incident Report

Part D: Environmental Measurements

County:	State:	Date:

Common Name	PC Code	Degredate

		Min.	Max.	N	LOD
Concentrations in ppb	Water				
	Soil				
	Sediment				
	Foliage				

	Description	Concentration	N	LOD
Other Samples				

Dissolved Oxygen (ppm)	to	pH	to